

|   | Type | L # | Hits | Search Text  | DBs  | Time Stamp          |
|---|------|-----|------|--|--|---------------------|
| 1 | BRS  | L1  | 912  | (clean or cleaning or cleaned or cleaner or cleanser or cleanse or cleansing or cleansed) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4)           | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:44 |
| 2 | BRS  | L2  | 1669 | (treat or treating or treated or treatment) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4)   | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:45 |
| 3 | BRS  | L3  | 3261 | (remove or removing or removed or removal or eliminate or eliminating or eliminated or elimination) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:33 |

|   | Type | L # | Hits | Search Text   | DBs  | Time Stamp          |
|---|------|-----|------|---|--|---------------------|
| 4 | BRS  | L4  | 52   | (de-scale or de-scaling or de-scaled or descale or descaling or descaling or descaler or de-scaler) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4)    | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |
| 5 | BRS  | L5  | 2376 | (reduce or reducing or reduced or reduction) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4)   | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:47 |
| 6 | BRS  | L6  | 2193 | (inhibit or inhibiting or inhibited or inhibition or prevent or prevented or preventing or prevention) with (scale or iron adj oxide or oxide or phosphate or carbonate or calcium adj sulfate or magnesium adj scale or silicate adj3 sulfate or silicate adj3 scale or "FeO.sub.x" or "FeOx") with (boiler or heat adj3 exchang\$4) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:48 |
| 7 | BRS  | L7  | 7467 | 11 or 12 or 13 or 14 or 15 or 16  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:48 |

|    | Type | L # | Hits   | Search Text  | DBs  | Time Stamp          |
|----|------|-----|--------|--|--|---------------------|
| 8  | BRS  | L8  | 373    | (chelant or chelating or EDTA or ethylenediamine adj tetraacet\$4 or ethylenediaminetetraacet\$4 or NTA or nitrilotriacetic or citric or dicarboxylic or polycarboxylic or oxalic or adipic or malonic or succinic or glutaric or benzenedicarboxylic or benzene adj dicarboxylic or phthalic or heptanedioic or diglycolic or itaconic or malic or fumaric or glutamic or tartaric or bidentate or polydentate) same 17 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:37 |
| 9  | BRS  | L10 | 182885 | (134/\$ or 510/\$ or 252/\$).cccls.  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>12:53 |
| 10 | BRS  | L9  | 67     | (hydroxide or sodium adj hydroxide or "NaOH" or potassium adj hydroxide or KOH or lithium adj hydroxide or LiOH or RbOH or alkali adj3 hydroxide or alkaline adj3 hydroxide) same 18   | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |
| 11 | BRS  | L11 | 10553  | (remove or removing or removed or removal or eliminate or eliminating or eliminated or elimination) with (silicate)  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:33 |

|    | Type | L # | Hits  | Search Text  | DBs  | Time Stamp          |
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| 12 | BRS  | L12 | 19131 | (treat or treating or treated or treatment) with (silicate)  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:34 |
| 13 | BRS  | L13 | 3774  | (clean or cleaning or cleaned or cleaner or cleanse or cleansing or cleansed or cleanser) with (silicate)  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |
| 14 | BRS  | L14 | 14872 | (reduce or reducing or reduced or reduction or prevent or preventing or prevented or prevention or inhibit or inhibiting or inhibited or inhibition) with (silicate) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |
| 15 | BRS  | L15 | 1438  | (eliminate or eliminating or eliminated or elimination) with (silicate)  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |

|    | Type | L # | Hits  | Search Text   | DBs  | Time Stamp          |
|----|------|-----|-------|---|--|---------------------|
| 16 | BRS  | L16 | 26    | (de-scale or de-scaling or de-scaled or descale or descaling or descaling or descaler or de-scaler) with (silicate)   | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:35 |
| 17 | BRS  | L17 | 3649  | (sodium adj hydroxide or "NaOH" or potassium adj hydroxide or KOH or lithium adj hydroxide or LiOH or RbOH or alkali adj3 hydroxide or alkaline adj3 hydroxide) same (l11 or l12 or l13 or l14 or l15 or l16) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:38 |
| 18 | BRS  | L18 | 39021 | (l11 or l12 or l13 or l14 or l15 or l16)  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:37 |
| 19 | BRS  | L20 | 3649  | (sodium adj hydroxide or "NaOH" or potassium adj hydroxide or KOH or lithium adj hydroxide or LiOH or RbOH or alkali adj3 hydroxide or alkaline adj3 hydroxide) same l18                                      | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:38 |

|    | Type | L # | Hits | Search Text   | DBs  | Time Stamp          |
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| 20 | BRS  | L21 | 298  | (chelant or chelating or EDTA or ethylenediamine adj tetraacet\$4 or ethylenediaminetetraacet\$4 or NTA or nitrilotriacetic or citric or dicarboxylic or polycarboxylic or oxalic or adipic or malonic or succinic or glutaric or benzenedicarboxylic or benzene adj dicarboxylic or phthalic or heptanedioic or diglycolic or itaconic or malic or fumaric or glutamic or tartaric or bidentate or polydentate) same 120 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:39 |
| 21 | BRS  | L22 | 7    | (passivate or passivating or passivated or passivation) with (hydrochloric same (sodium adj nitrate or nitrate))  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:19 |
| 22 | BRS  | L23 | 3    | (passivate or passivating or passivated or passivation) same 121  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:42 |
| 23 | BRS  | L24 | 11   | (passivate or passivating or passivated or passivation) and 19  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>13:48 |

|    | Type | L # | Hits  | Search Text  | DBs  | Time Stamp          |
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| 24 | BRS  | L25 | 12255 | (passivate or passivating or passivated or passivation) with (boiler or heat adj3 exchang\$4 or metal or metallic) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:28 |
| 25 | BRS  | L26 | 16207 | (hydrochloric or HCl or mineral adj acid) same (sodium adj nitrate or nitrate)                                     | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:21 |
| 26 | BRS  | L27 | 117   | (passivate or passivating or passivated or passivation) with (boiler or heat adj3 exchang\$4 )                     | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:21 |
| 27 | BRS  | L28 | 1     | 127 same 126   | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:22 |

|    | Type | L # | Hits | Search Text | DBs  | Time Stamp          |
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| 28 | BRS  | L29 | 2    | 127 and 126 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:24 |
| 29 | BRS  | L30 | 94   | 125 and 126 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:24 |
| 30 | BRS  | L31 | 22   | 130 and 110 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:27 |
| 31 | BRS  | L32 | 7    | 130 and 118 | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:29 |



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|----|------|-----|------|----------------|--|---------------------|
| 32 | BRS  | L33 | 339  | ellis-g\$.in.  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:27 |
| 33 | BRS  | L34 | 3    | lusher-m\$.in. | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:28 |
| 34 | BRS  | L35 | 341  | 133 or 134     | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:28 |
| 35 | BRS  | L36 | 1    | 135 and 130    | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:28 |

|    | Type | L # | Hits | Search Text  | DBs  | Time Stamp          |
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| 36 | BRS  | L37 | 28   | 130 and (scale or boiler or<br>heat adj3 exchang\$4) | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B;<br>USOCR | 2003/01/21<br>14:31 |